DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO

Question Booklet Series Code : A **Question Book Serial No : 104417**

Time Allowed : 02.00 hours **PH-2020** **Maximum Marks : 100**

ନିର୍ଦ୍ଧାରିତ ସମୟ : 02.00 ଘଣ୍ଟା **ସର୍ବାଧିକ ମାର୍କ: 100**

Read the following instructions carefully before you begin to answer the questions.
This Booklet contains 100 objective type questions with multiple choice answers in three Parts.
Each question carries **one mark.**
There shall be negative marking @0.25 mark per question for wrong/multiple answers.
Part-I contains 10 questions on Arithmetic which are available in both English and Odia version. In the case of discrepancy in meaning, the English version will prevail.
Part–II contains 05 questions on English.
Part-III contains 85 questions on **Pharmacy** which includes questions based on practical skill to assess the practical skill of the candidates.
All questions are compulsory.

ପ୍ରଶ୍ନଗୁଡିକର ଉତ୍ତର କରିବାପୂର୍ବରୁ ନିମ୍ନ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନସହକାରେ ପଢନ୍ତୁ। ଏହି ପୁସ୍ତିକାରେ ତିନିଗୋଟି ଭାଗରେ 100ଟି ବିବିଧ ଉତ୍ତର ଯୁକ୍ତ ସଂକ୍ଷିପ୍ତ ପ୍ରଶ୍ନ ରହିଛି । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ସଠିକ ଉତ୍ତର ପାଇଁ ଏକ ମାର୍କ ରହିଛି।
ଭୁଲ ଉତ୍ତର ଏବଂ ଏକାଧିକ ଉତ୍ତର ପାଇଁ ପ୍ରଶ୍ନ ପିଛା 0.25 ମାର୍କ ଲେଖାଏଁ ବିୟୋଗ କରାଯିବ ।
ପ୍ରଥମ ଭାଗରେ ଗଣିତର 10ଟି ପ୍ରଶ୍ନ ରହିଛି ଯେଉଁଥିରେ ଇଂରାଜୀ ରୁ ଓଡିଆକୁ ଭାଷାନ୍ତର ଉପଲବ୍ଧ । ଅର୍ଥବୋଧରେ କିଛି ତାରତମ୍ୟ ଥିଲେ ଇଂରାଜୀ ଭାଷା ବଳବତ୍ତର ରହିବ ।
ଦ୍ୱିତୀୟ ଭାଗରେ ଇଂରାଜୀରେ 05ଟି ପ୍ରଶ୍ନ ରହିଛି ।
ତୃତୀୟ ଭାଗରେ **Pharmacy** ବିଷୟରେ (practical skill based ପ୍ରଶ୍ନ ସହିତ) 85ଟି ପ୍ରଶ୍ନ ରହିଛି।
ସମସ୍ତ ପ୍ରଶ୍ନ ବାଧତାମୂଳକ ।

INSTRUCTIONS FOR CANDIDATES

1. Before answering any question, check the Booklet and ensure that it contains 16 pages and no page is missing, mutilated or repeated. In case of any such defect, get it replaced immediately.
2. The Invigilator shall supply you the blank Two Part carbonless OMR Answer Sheet separately. Enter your Roll Number, Question Booklet Serial Number and Question Booklet Series Code and darken the corresponding circle/oval provided on the Answer Sheet at the appropriate space carefully by using only black/blue ball point pen. You must write the name, date and centre of examination and put your full signature in the appropriate space provided therein before answering any question.
3. A machine will read the coded information furnished by you in the OMR Answer Sheet. If the information so furnished by you are incomplete or different from what you have given in the application form, you shall be awarded Zero mark.
4. Answer must be given by completely blackening one of the four circles/ovals representing the most appropriate answer given on the Answer Sheet corresponding to the relevant question by using only Black/Blue ball point pen. Answers not shown by properly darkening in black/blue ball point pen, no marks shall be awarded.
5. No Rough work should be done on the OMR Answer Sheet. Space for rough work has been provided in the Question Booklet itself.
6. Correcting fluid, eraser, blade, books, textual material, scripts, notes/loose paper, calculator, docupen, slide rules, log tables, electronic watches, smart watch, cell phone, pager, other electrical/electronic devices etc. are not allowed inside the examination hall. In case the candidate is found to be in possession of any of the above, he/she shall be expelled from the examination without any enquiry as to whether the same was/were used by the candidate or not.
7. These instructions must be complied with fully, failing which your Answer Sheet shall not be evaluated and Zero marks will be awarded.
8. After the examination is over, candidates must ensure to fold the OMR Answer Sheet at the perforation and separate the Original Copy and Candidate's Copy of the Two Part OMR Answer Sheet in the presence of the Invigilator and handover the **Original Copy** to the Invigilator. The **Candidate's Copy** of the OMR Answer sheet may be taken by the candidate. Failure to hand over the original copy of the OMR Answer Sheet to the Invigilator before leaving the examination hall/room shall make the candidate liable for penal action.
9. Failure to comply with any of the above instructions shall be considered as adopting unfair means and action as deemed proper shall be taken.

ପ୍ରାର୍ଥୀମାନଙ୍କ ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ

୧.କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତରଦେବା ପୂର୍ବରୁ ପୁସ୍ତିକାଟିକୁ ଚନଖି ଦେଖନ୍ତୁ କି ଏଥିରେ ୧୬ ପୃଷ୍ଠା ଅଛି ଓ କୌଣସି ପୃଷ୍ଠା ନଷ୍ଟ, ପୁନରାବୃତ୍ତି କିମ୍ବା ଛାଡି ହୋଇନାହିଁ। କୌଣସି ତ୍ରୁଟିଥିଲେ ତାକୁ ତୁରନ୍ତ ବଦଳ କରାଇନିଅନ୍ତୁ।

୨. ନିରୀକ୍ଷକ ଆପଣଙ୍କୁ ପୃଥକଭାବେ ଓଏମ୍‌ଆର୍ ଉତ୍ତରପତ୍ର (Two Part carbonless OMR Answer Sheet) ଦେବେ । ଉତ୍ତରପତ୍ରର ଯଥା ସ୍ଥାନରେ ଆପଣଙ୍କ ରୋଲନମ୍ବର, ପ୍ରଶ୍ନପୁସ୍ତିକା କ୍ରମିକନମ୍ବର ଏବଂ ପ୍ରଶ୍ନପୁସ୍ତିକା ସିରିଜ କୋଡ୍ ଉଲ୍ଲେଖ କରନ୍ତୁ ଏବଂ ତା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ବୃତ୍ତ / ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା / ନୀଳ କାଳିର ବଲପଏଣ୍ଟ କଲମ ଦ୍ୱାରା କାଳି କରନ୍ତୁ । ସେଠାରେ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦିଷ୍ଟ ସ୍ଥାନରେ ପରୀକ୍ଷାର ନାମ, ତାରିଖ ଓ ପରୀକ୍ଷା କେନ୍ଦ୍ରର ନାମ ନିଶ୍ଚିତ ଭାବେ ଲେଖନ୍ତୁ ଏବଂ କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତରଦେବା ଆଗରୁ ଯଥାସ୍ଥାନରେ ଆପଣଙ୍କ ପୁରା ଦସ୍ତଖତ କରନ୍ତୁ ।

୩. ଓଏମ୍‌ଆର୍ ଉତ୍ତରପତ୍ରରେ ଆପଣ ଉଲ୍ଲେଖ କରିଥିବା ସାଙ୍କେତିକ ତଥ୍ୟକୁ ଗୋଟିଏ ଯନ୍ତ୍ର ପଢିବ । ତେଣୁ ଆପଣଙ୍କର ଏହି ପ୍ରଦତ୍ତ ତଥ୍ୟ ଯଦି ଦରଖାସ୍ତ ଫର୍ମରେ ଦିଆଯାଇଥିବା ତଥ୍ୟଠାରୁ ପୃଥକ କିମ୍ବା ଅସମ୍ପୂର୍ଣ୍ଣ ହୁଏ, ଆପଣଙ୍କୁ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।

୪. ଉତ୍ତରପତ୍ରରେ ଥିବା ସମ୍ପୃକ୍ତ ପ୍ରଶ୍ନର ସଠିକ୍ ଉତ୍ତର ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ବୃତ୍ତ / ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା / ନୀଳ କାଳିର ବଲପଏଣ୍ଟ କଲମ ଦ୍ୱାରା କାଳିକରି ଉତ୍ତର ଦିଅନ୍ତୁ । କଳା / ନୀଳବଲ ପଏଣ୍ଟ କଲମ ଦ୍ୱାରା ସଠିକ୍ ଭାବେ କାଳି କରାଯାଇନଥିବା ଉତ୍ତର ପାଇଁ କୌଣସି ମାର୍କ ଦିଆଯିବ ନାହିଁ ।

୫. ଓଏମ୍‌ଆର୍ ଉତ୍ତରପତ୍ରରେ ରଫ୍ କାମ କରନ୍ତୁ ନାହିଁ । ପ୍ରଶ୍ନପୁସ୍ତିକାରେ ରଫ୍ କାମପାଇଁ ଖାଲିଜାଗା ଦିଆଯାଇଅଛି ।

୬.କୌଣସି ଧଉଳାଇବା ରଙ୍ଗ, ରବର, ବ୍ଲେଡ୍, ବହି, ଛାପା / ହାତଲେଖାକାଗଜ, କାଲକୁଲେଟର, ଡକୁପେନ, ସ୍ଲାଇଡ ରୁଲ, ଲଗ ଟେବୁଲ, ଇଲେକଟ୍ରୋନିକ ଘଣ୍ଟା, ସ୍ମାର୍ଟ ଘଣ୍ଟା,ମୋବାଇଲ ଫୋନ, ପେଜର, ଅନ୍ୟ ବୈଦ୍ୟୁତିକ/ଇଲେକଟ୍ରୋନିକ ଉପକରଣାଦିକୁ ଆପଣ ପରୀକ୍ଷା ହଲ / କୋଠରୀ ଭିତରକୁ ନେଇ ପାରିବେ ନାହିଁ । ଯଦି ଉପରୋକ୍ତ କୌଣସି ଉପକରଣ ଆପଣଙ୍କ ପାଖରୁ ଉଦ୍ଧାର କରାଯାଏ, ବ୍ୟବହାର କରିଥାନ୍ତୁ ବା ନ କରିଥାନ୍ତୁ, ବିନା ତଦନ୍ତରେ ଆପଣଙ୍କୁ ତୁରନ୍ତ ପରୀକ୍ଷାରୁ ବାସନ୍ଦ କରାଯିବ ।

୭. ଏହି ନିର୍ଦ୍ଦେଶାବଳୀକୁ ସଂପୂର୍ଣ୍ଣଭାବେ ନିଶ୍ଚିତ ପାଳନକରନ୍ତୁ, ଅନ୍ୟଥା ଆପଣଙ୍କ ଉତ୍ତରପତ୍ରର ମୂଲ୍ୟାୟନ କରାଯିବ ନାହିଁ ଏବଂ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।

୮. ପରୀକ୍ଷା ସରିବା ପରେ ପରୀକ୍ଷା ହଲ ଛାଡିବା ପୂର୍ବରୁ ଆପଣଙ୍କ Two Part carbonless OMR Answer Sheet ଉତ୍ତରପତ୍ରର Original Copy ଓ Candidate's Copy ନିରୀକ୍ଷକଙ୍କ ଉପସ୍ଥିତିରେ ଚିହ୍ନ ଥିବା ସ୍ଥାନରେ ସଠିକ ଭାବେ ଭାଙ୍ଗ କରି ଚିରି ପୃଥକ କରନ୍ତୁ ଓ Original Copyଟିକୁ ନିରୀକ୍ଷକଙ୍କୁ ହସ୍ତାନ୍ତର କରନ୍ତୁ । ଅନ୍ୟଥା ପରୀକ୍ଷାର୍ଥୀ ଆଇନାନୁଯାୟୀ ଦଣ୍ଡନୀୟ ହେବେ । ଓଏମ୍‌ଆର୍ ଉତ୍ତରପତ୍ରର ପ୍ରାର୍ଥୀଙ୍କ ପାଇଁ ଉଦ୍ଦିଷ୍ଟଥିବା କପିଟିକୁ (Candidate's Copy) ପରୀକ୍ଷାର୍ଥୀ ନେଇଯିବେ ।

୯. ଉପରୋକ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀରୁ କୌଣସି ନିର୍ଦ୍ଦେଶର ଅନୁପାଳନରେ ଖିଲାପକଲେ ଏହାକୁ ଅସତ ଉପାୟ ଅବଲମ୍ବନ କରିଛନ୍ତି ବୋଲି ବିବେଚନା କରାଯିବ ଏବଂ ପରୀକ୍ଷାର୍ଥୀଙ୍କ ବିରୁଦ୍ଧରେ ଯଥୋଚିତ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ଗ୍ରହଣ କରାଯିବ ।

DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO

Part-I
ARITHMETIC : 10 Marks

Instructions : Each question under this section carries ***One*** *mark. Please read the instructions carefully and answer the questions by selecting the most appropriate answer out of the multiple answers given below each as A, B, C and D.*

There shall be negative marking @ 0.25 mark per question for wrong/multiple answers.

1. Two numbers are in the ratio of 15 : 11. If their H.C.F. is 13, then the numbers are?
ଦୁଇଟି ସଂଖ୍ୟାର ଅନୁପାତ 15 : 11 ଅଟେ । ଯଦି ସେମାନଙ୍କର ଗ.ସା.ଗୁ 13 ହୁଏ, ତେବେ ସଂଖ୍ୟା ଦୁଇଟି କେତେ ?
(A) 75, 55 (B) 15, 11 (C) 105, 77 (D) 195, 143

2. The length and breadth of a square are increased by 40% and 30% respectively. The area of the resulting rectangle exceeds the area of the square by what %?

ଗୋଟିଏ ବର୍ଗକ୍ଷେତ୍ରର ଲମ୍ବ ଏବଂ ପ୍ରସ୍ଥ ଯଥାକ୍ରମେ ଶତକଡା 40 ଏବଂ ଶତକଡା 30 ବଢାଇ ଦିଆଗଲା । ଏହା ଫଳରେ ଯେଉଁ ଆୟତକ୍ଷେତ୍ର ସୃଷ୍ଟି ହେବ ତାହାର କ୍ଷେତ୍ରଫଳ, ବର୍ଗକ୍ଷେତ୍ରର କ୍ଷେତ୍ରଫଳରୁ କେତେ % ଅଧିକ ?

(A) 42% (B) 82% (C) 62% (D) None of these

3. The average of three numbers is 20. If two numbers are 16 and 22, the third number is?
ତିନୋଟି ସଂଖ୍ୟାର ହାରାହାରି 20 ଅଟେ ।ଯଦି ଦୁଇଟି ସଂଖ୍ୟା ଯଥାକ୍ରମେ 16 ଏବଂ 22 ହୁଏ, ତେବେ ତୃତୀୟ ସଂଖ୍ୟାଟି କେତେ ?
(A) 22 (B) 19 (C) 20 (D) 18

4. At the rate of 6% per annum simple interest, a sum of Rs 2500 will earn how much interest by the end of 5 years?
ବାର୍ଷିକ ଶତକଡା 6 ସୁଧ ହାରରେ, 2500 ଟଙ୍କାର 5 ବର୍ଷର ସୁଧ କେତେ ହେବ ?
(A) 150 (B) 750 (C) 700 (D) 3250

5. The surface area of a cube is 1734 sq cms. Its volume is?
ଗୋଟିଏ ଘନର କ୍ଷେତ୍ରଫଳ 1734 ବର୍ଗ ସେମି ଅଟେ । ଏହାର ଆୟତନ କେତେ ହେବ ?
(A) 2197 cu. cm (B) 4913 cu. cm (C) 2744 cu. cm (D) 4096 cu. cm

6. If the circumference of a circle is 352 meters, then its area in square meter is?
ଯଦି ଗୋଟିଏ ବୃତ୍ତର ପରିଧି 352 ମିଟର ହୁଏ, ତେବେ ଏହାର କ୍ଷେତ୍ରଫଳ ବର୍ଗମିଟରରେ କେତେ ହେବ ?
(A) 5986 (B) 8956 (C) 6589 (D) 9856

7. Which of the following is equal to x^3?
ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି x^3 ସଙ୍ଗେ ସମାନ ଅଟେ ?
(A) x^6-x^3 (B) x^6/x^3 (C) $x^6.x^3$ (D) $(x^6)^3$

8. The length of a train is 140 meters and its speed is 72 km/hr. How long will it take to cross a platform of 220 meters long?
ଗୋଟିଏ ଟ୍ରେନ୍‌ର ଲମ୍ବ 140 ମିଟର ଅଟେ ଏବଂ ଏହାର ବେଗ ଘଣ୍ଟାକୁ 72 କିମି । ତେବେ 220 ମିଟର ଲମ୍ବ ପ୍ଲାଟ୍‌ଫର୍ମ ଅତିକ୍ରମ କରିବାକୁ ଏହା କେତେ ସମୟ ନେବ ?

(A) 18 seconds (B) 1 seconds (C) 7 seconds (D) 3 seconds

9. In an examination, 80% candidates passed in English and 85% candidates passed in Mathematics. If 73% candidates passed in both these subjects, then what percentage of candidates failed in both the subjects?
ଗୋଟିଏ ପରୀକ୍ଷାରେ ଶତକଡା 80 ପରୀକ୍ଷାର୍ଥୀ ଇଂରାଜୀରେ ପାସ୍ କଲେ ଏବଂ ଶତକଡା 85 ପରୀକ୍ଷାର୍ଥୀ ଗଣିତରେ ପାସ୍ କଲେ । ଯଦି ଶତକଡା 73 ପରୀକ୍ଷାର୍ଥୀ ଦୁଇଟିଯାକ ବିଷୟରେ ପାସ୍ କଲେ, ତେବେ ଶତକଡା କେତେ ପରୀକ୍ଷାର୍ଥୀ ଦୁଇଟିଯାକ ବିଷୟରେ ଫେଲ୍ ହେଲେ ?

(A) 8 (B) 27 (C) 15 (D) 35

10. By selling a bicycle for Rs 2850, a shop keeper gains 14%. If the profit is reduced to 8%, then the selling price will be?
ଗୋଟିଏ ସାଇକେଲ୍‌କୁ 2850 ଟଙ୍କାରେ ବିକିବା ଦ୍ୱାରା ଦୋକାନୀର ଶତକଡା 14 ଲାଭ ହେଲା । ଯଦି ଲାଭ ଶତକଡା 8 କୁ କମାଇ ଦିଆଯାଏ, ସାଇକେଲ୍‌ର ବିକ୍ରିମୂଲ୍ୟ କେତେ ହେବ ?

(A) Rs 2600 (B) Rs 2800 (C) Rs 2700 (D) Rs 3000

Part-II
ENGLISH : 05 Marks

Instructions : Each question under this section carries ***One*** *mark. Please read the instructions carefully and answer the questions by selecting the most appropriate answer out of the multiple answers given below each as A, B, C and D.*
There shall be negative marking @ 0.25 mark per question for wrong/multiple answers.

11. Which of the following sentences is grammatically correct?

(A) A herd of elephants are in the forest.
(B) A herd of elephants is in the forest.
(C) A herd of elephant is in the forest.
(D) A herd of elephant are in the forest.

12. Who broke the window?
(change the sentence into passive voice)

(A) By whom was the window broken?
(B) By whom was the window broken.
(C) Whom was the window broken?
(D) By whom the window was broken?

13. There are twelve months in a _____ year.
(Fill in the blank with correct spelling of the word)

(A) calender (B) calendar (C) celender (D) calander

14. Rama arrived late at the railway station.
(choose the correct part of speech of the underlined word)

(A) noun (B) pronoun (C) adjective (D) adverb

15. A drowning man catches_____ a straw.
(Fill in the blank with appropriate preposition)

(A) to (B) in (C) at (D) into

Part-III
Pharmacy : 85 Marks

Instructions : Each question under this section carries ***One*** *mark. Please read the instructions carefully and answer the questions by selecting the most appropriate answer out of the multiple answers given below each as A, B, C and D.*
There shall be negative marking @ 0.25 mark per question for wrong/multiple answers.

16. License for wholesale of drugs specified in schedule C and C1 is issued in form:

(A) 20 A (B) 22B (C) 21 B (D) 22 A

17. The chemical name of vitamin C is:

(A) Ascorbic acid (B) Benzoic acid
(C) Maleic acid (D) None of the above

18. One fluid ounce is equal to:

(A) 30 ml (B) 20 ml (C) 25 ml (D) 50 ml

19. The mechanical strength of a tablet is checked by:

(A) Hardness tester (B) Friability tester
(C) Disintegrator (D) None of the above

20. According to Drugs and Cosmetics Act, List of substances that should be sold by retail only on prescription of registered medical practitioner is given in which of the following Schedule?

(A) Schedule 'H' (B) Schedule 'V' (C) Schedule 'X' (D) Schedule 'Q'

21. A patient asks for a preparation as a vaginal cream for candidiasis. Which product is the most appropriate?

(A) Canesten (B) Ortho-Gynest (C) Eurax (D) Bactroban

22. Cod liver oil is nutritive due to presence of:

(A) Vitamin A (B) Vitamin A and D (C) Vitamin A and E (D) Vitamin E

23. Immunoglobulin found in allergic condition is

(A) Ig M (B) Ig E (C) Ig D (D) Ig A

24. Posology deals with

(A) Quality of drugs
(B) Dispensing of drugs
(C) Dose of drugs
(D) Stability of drugs

25. The capacity of bladder is about

(A) 100 ml (B) 500 ml (C) 200 ml (D) 1 liter

26. Water as vehicle can transmit all except

(A) Polio (B) Diarrhoea (C) Tetanus (D) Round worm

27. Pivmecillinam is prescribed at 20 mg/kg in three divided doses. The individual dose (mg) to be administered to a patient weighing 12 kg is:

(A) 8 (B) 80 (C) 240 (D) 800

28. DNA is mainly present in:

(A) Ribosome
(B) Nucleus
(C) Plasma membrane
(D) None of these

29. In lower urinary tract infection which oral antibiotic is not used?

(A) Amoxilillin (B) Cefalexin (C) Nitofurantoin (D) Tetracycline

30. Caustic soda is synonym of:

(A) NaOH (B) HCI (C) $CaCO_7$ (D) I_2

31. Betamethasone and prednisolone are used in:

(A) Infection (B) Inflammation (C) Ulcer (D) None of these

32. Power of the Inspectors appointed under the Drugs and Cosmetics Act,1940 are mentioned under which of the following Section of the Act?

(A) 20 (B) 21 (C) 22 (D) 23

33. Naphazoline is used in:

(A) Asthma (B) Hypotension (C) Nasal congestion (D) Hay fever

34. Pyridoxine is administered with isoniazid to minimize the

(A) Hepatotoxicity (B) Allergic reaction (C) Neurotoxicity (D) Nephrotoxicity

35. 1% w/w dextrose means:

(A) 1 gram dextrose in 100 grams of product (B) 1 gram dextrose in 100 ml of product
(C) 1 mole in 100 ml of product (D) None of the above

36. Which of the following is a synthetic sweetener?

(A) Glucose (B) Sucrose (C) Sorbitol (D) Aspartame

37. In diabetes mellitus, the level of:

(A) Sucrose increases in blood (B) Glucose increases in blood
(C) Calcium increases in blood (D) None of the above

38. A patient asks for ibuprofen gel. The pharmacist may dispense:

(A) Oruvail (B) Voltarol (C) Dubam (D) Ibutop

39. Enteric coated tablets are meant for disintegration in:

(A) Stomach (B) Mouth (C) Intestine (D) None of these

40. The most important component of human gamma globulin is

(A) Immunoglobulin G (B) Immunoglobulin M
(C) Immunoglobulin A (D) Immunoglobulin E

41. Drug which does not belong to fruit class:

(A) Ergot (B) Fennel (C) Coriander (D) Dill

42. What is the source of carbon atoms in cholesterol?

(A) Acetyl -CoA (B) Lanosterol (C) Squalene (D) Mevalonic acid

43. Which one of these is a hypotensive drug?

(A) Senega (B) Rhubarb (C) Rauwolfia (D) Vasaka leaves

44. Fluid part of blood devoid of Corpuscles is called-

(A) Serum (B) Plasma (C) Lymph (D) Tissue fluid

45. One of these β-blockers, used in glaucoma, is:

(A) Propranolol (B) Atenolol (C) Timolol (D) Metoprolol

46. All are essential amino acid except:

(A) Leucine (B) Lysine (C) Phenylalanine (D) Tyrosine

47. Ibuprofen is a:

(A) 2-(4-Propylpheyl) propionic acid
(B) 2-(4-Isobutylphenyl) propionic acid
(C) 2-(4-Ethylphenyl) propionic acid
(D) 2-(4-Hexylphenyl) propionic acid

48. Multiple form of same enzyme are called

(A) Coenzymes (B) Aponezymes (C) Isoenzymes (D) Holoenzymes

49. Which of the following is rational for a patient taking cardiac glycoside?

(A) High-sodium, low-potassium, high-fat
(B) Low-sodium, low-potassium, low-fat
(C) High-iron, high-calcium, high-potassium
(D) Low-sodium, high-potassium, low-fat

50. During starvation, the level of_____ in the blood decreases.

(A) Ammonia
(B) Creatine
(C) Chloride and glucose
(D) Uric acid

51. A patient is prescribed prednisolone 10 mg daily for 16 days. Prednisolone is available as 5 mg enteric coated tablets. How many tablets of Deltacortril have to be dispensed?

(A) 10 (B) 16 (C) 32 (D) 100

52. An isotonic solutions has the same

(A) pH as blood
(B) Fluid pressure as blood
(C) Specific gravity as blood
(D) Osmotic pressure as blood

53. Separation of the tablet into two or more distinct layers is

(A) Picking (B) Capping (C) Lamination (D) Broken

54. The normal human blood pH is

(A) 5.5-6.5 (B) 8.8-9.6 (C) 7.35-7.45 (D) 2.35-3.78

55. Iodine tincture consists

(A) 2% (w / v) of iodine and 2.4% (w / v) of sodium iodide
(B) 5% (w / v) of iodine and 2.4% (w / v) of sodium iodide
(C) 5% (w / v) of iodine and 10% (w / v) of potassium iodide
(D) 10% (w / v) of iodine and 15% (w / v) of sodium iodide

56. Streptomycin is effective against-

(A) Gram +ve bacteria only
(B) Gram –ve bacteria only
(C) Gram +ve and Gram –ve bacteria
(D) Effective against virus

57. Cure for blindness is an example of the following advertisement:

(A) Prohibited (B) Exempted (C) Bonafide (D) Permitted

58. The body fluids found within cells is called_____

(A) Plasma. (B) Extracellular fluid (C) Interstital fluid (D) Intracellular fluid

59. Infantile myoclonus is best treated with-

(A) Clonazepam (B) Diazepam (C) Phenytoin (D) Phenobarbitone

60. Coca, opium and hemp come under:

(A) Dangerous Drugs Act
(B) Poison Act
(C) Drugs and Cosmetics Act
(D) None of these

61. The volume of distribution (Vd) relates:

(A) Single to a daily dose of an administrated drug
(B) An administrated dose to a body weight
(C) An uncharged drug reaching the systemic circulation
(D) The amount of a drug in the body to the concentration of a drug in plasma

62. Hepatitis is characterized by:

(A) Inflammation of lungs
(B) Skin rashes
(C) Inflammation of liver
(D) Edema

63. Surgical dressings are sterilized by:

(A) Dry heat sterilization
(B) Gaseous sterilization
(C) Radiation sterilization
(D) Moist heat sterilization

64. The sweetening agent commonly used in chewable tablet is:

(A) Sucrose (B) Honey (C) Mannitol (D) Saccharin

65. The label 'Shake well before use' is indicated on the mixture containing:

(A) Soluble medicament
(B) Potent medicament
(C) Diffusible medicament
(D) Miscible liquid

66. Indian Belladonna contains alkaloid:

(A) Atropine (B) Strychnine (C) Cephaleine (D) Narcotine

67. Lactose is made up of:
(A) One glucose molecule and one galactose molecule
(B) Two glucose molecule
(C) One glucose and one fructose molecule
(D) Two galactose molecule

68. Which one of these is unsaturated fatty acid?

(A) Palmitic acid (B) Stearic acid (C) Oleic acid (D) Lauric acid

69. The schedule in Drugs and Cosmetics Act that deals with requirement and guidelines of clinical trial, import and manufacture of new drug is

(A) Schedule O (B) Schedule M (C) Schedule F (D) Schedule Y

70. A gas used for fumigation is:

(A) Ethylene (B) Nitrogen oxide (C) Sulphur dioxide (D) Oxygen

71. For radiography of a growth on urinary bladder, camera must be positioned on which of the following region?

(A) Umbilical (B) Hypogastric (C) Right inguinal (D) Left inguinal

72. Chlorpromazine is useful in the treatment of:

(A) Parkinsonism
(B) Mental depression
(C) Schizophrenia
(D) None of these

73. Auristille is the latin term for

(A) Eye drop (B) Ear Drop (C) Nasal drop (D) Spray solution

74. Drug of choice in acute lymphatic leukemia

(A) Mercaptopurine
(B) Cyclophosphamide
(C) Methotrexate
(D) Vincristine+prednisone

75. License required to start a new retail drug store is issued by:

(A) Drug controller
(B) Drug inspector
(C) Govt. analyst
(D) Registrar of state pharmacy council

76. The commonest form of malaria in India is caused by

(A) Plasmodium vivax
(B) Plasmodium ovale
(C) Plasmodium falciparum
(D) Plasmodium malaria

77. Salbutamol is:

(A) Non-catecholamine and beta agonist
(B) Catecholamine and beta agonist
(C) Non-catecholamine and alpha agonist
(D) Catecholamine and alpha agonist

78. Which one of these contains benzhydryl group?

(A) Histamine
(B) Diphen hydramine
(C) Dimenhydrinate
(D) Option (B) and (C)

79. Which of the following is used as laxative?

(A) Sodium bicarbonate
(B) Sodium trisilicate
(C) Sodium potassium tartarate
(D) Sodium hydroxide

80. Sulphur is used in the treatment of:

(A) Diabetes (B) Inflammation (C) Tuberculosis (D) Scabies

81. Inorganic saline expectorant is:

(A) Ammonium chloride
(B) Sodium Bicarbonate
(C) Sulphuric acid
(D) None of the above

82. The injectable contraceptive is

(A) Ehtisterone
(B) Progesterone
(C) Depomedroxy progesterone acetate
(D) None of these

83. Spinal cord ends at vertebral level of:

(A) $T_{11}T_{12}$ (B) $T_{12}L_1$ (C) L_1L_2 (D) L_3L_4

84. A mother requests a preparation for her 5-year-old son for a chesty cough. Which of the following products is the most appropriate?

(A) Benylin with codeine syrup
(B) Alupent syrup
(C) Actifed Chesty Coughs syrup
(D) Vicks Medinite syrup

85. Pentoses and hexoses can be distinguished by one of the following test

(A) Bial's test (B) Molish test (C) Seliwanoff's test (D) Benzidine test

86. Nicotinic acid lowers down the:

(A) Cholesterol level (B) Triglyceride level (C) Blood pressure (D) None of these

87. If 3 capsules of 150 mg of Clindamycin are added to 150 cc of 1% Cleocin topical solution, what is the % of Clindamycin in the final mixture

(A) 1.5% (B) 1.3% (C) 1.1% (D) 0.9%

88. Which of the following is most effective in inhibiting gastric acid secretion?

(A) Ranitidine (B) Famotidine (C) Omeprazole (D) Pirenzepine

89. Ibuprofen tablet belongs to Schedule:

(A) X (B) G (C) H (D) B

90. The only artery which contains deoxygenated blood is:

(A) Pulmonary artery (B) Inferior vena cava (C) Coronary artery (D) None of these

91. Route of administration for heparin and warfarin:

(A) I.V., Oral (B) S.C., I.M. (C) Oral, I.V. (D) None of these

92. Hetrazan drug is used in

(A) Malaria (B) Filiariasis (C) Cholera (D) Typhoid

93. Normal amount of Platelets in healthy human is

(A) 2,50,000-4,00,000/Cmm
(B) 4000-11000/Cmm
(C) 4 to 6 million/Cmm
(D) 500/Cmm

94. The average volume of blood in human body is:

(A) 5.5 liters (B) 4 liters (C) 10 liters (D) 6 liters

95. Poisonous drugs are covered in:

(A) Schedule E (B) Schedule F (C) Schedule Y (D) Schedule X

96. OTC drugs are:

(A) Ethical drug
(B) Prescription drug
(C) Ethical and prescription drugs
(D) Non-prescription drugs

97. Disposable plastic syringes are sterilized by:

(A) Autoclaving
(B) Boiling with water
(C) Gaseous sterilization
(D) None of the above

98. Biotin structure is formed by fusion of:

(A) Imidazole and thiophene rings
(B) Imidazole and furan rings
(C) Imidazole and indoles rings
(D) Imidazole and prurine rings

99. An ointment contains 1% w/w calamine. How much calamine powder would be appropriate to add to 200g of the ointment to produce a 4% w/w calamine ointment

(A) 4.25 g (B) 5.5 g (C) 6.25 g (D) 6.5 g

100. The normal level of calcium in blood plasma is:

(A) 9-11 mg/100ml (B) 20-40 mg/100 ml (C) 30-40 mg/100 ml (D) 100 mg/100 ml

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